



Homeowner's Guide to Drainage & Erosion Control

Homeowners help protect the environment we live in!

In this part of Arizona, it is not always apparent where storm drainage paths are and how deep and fast the water can get within these washes and drainage ditches. Rainfall is infrequent in this arid climate, but at times it can be very intense. Flooding and erosion can occur in our area after any measurable rain event.

Rainfall measurements are usually discussed in terms of storm frequency and duration (100-yr, 6-hour storm); this is the total accumulation (inches) of rainfall that will occur from a storm that lasts 6 hours and has a 1% probability of occurring in any given year. For Lake Havasu City area, this amounts to approximately 3.4 inches of rainfall.

Drainage Considerations when Landscaping/Modifying your Lot:

If the answer to any of the following questions is no, structural and erosion damage may occur over time if not corrected properly.

- Does water drain away from the house & patio?
- Does roof runoff drain away from my house?
- Does water drain away from the other structures on my property?

Protect your property with these tips!



Erosion Protection Measures For Homeowners:

- Cover exposed soils with landscaping.
- Construct berms along 'up gradient' slopes to prevent erosion on slopes.
- Use stabilization techniques such as silt fence, bio-rolls, rip-rap, gravel or vegetation to shore up any erosion that has occurred.
- Use gutters and drain spout extenders/splash guards to prevent erosion and undermining from roof runoff.

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